

**TABLE S1.** Members and functional features of the cytokines/chemokines analyzed in this study.

Acronym	Full name	Receptor	Major function	Family	Source
IL-1RA	Interleukin 1 receptor antagonist	-	Anti-inflammatory	IL-1	Monocytes, macrophages, neutrophils, fibroblasts, epithelial cells, Sertoli cells, microglia
IL-4	Interleukin 4	IL-4R (CD124), IL-2R $\gamma$ , IL-13R $\alpha$ 1	Anti-inflammatory	Common $\gamma$ chain	Th2 cells, basophils, eosinophils, mast cells, NKT cells, $\gamma/\delta$ T cells
IL-5	Interleukin 5	IL-5R $\alpha$ , CSF2RB	Anti-inflammatory	Th2-like cytokine	Th2 cells, activated eosinophils and mast cells, Tc2 cells, $\gamma/\delta$ T cells, NK and NKT cells
IL-6	Interleukin 6	IL-6R $\alpha$ , gp130	Anti-inflammatory	IL-6	Endothelial cells, fibroblasts, monocytes/macrophages
IL-10	Interleukin 10	IL-10R (alpha + beta)	Anti-inflammatory	IL-10	T cells, B cells, monocytes, macrophages, DCs
IL-13	Interleukin 13	IL-13R $\alpha$ 1, IL-13R $\alpha$ 2, IL-4R	Anti-inflammatory	Th2-like cytokine	Th2 cells, NKT, and mast cells, basophils, eosinophils
IFN- $\alpha$	Interferon-alpha	IFNAR	Pro-inflammatory	Interferon type I	Leukocytes (mainly plasmacytoid DC)
IFN- $\gamma$	Interferon-gamma	IFNGR	Pro-inflammatory	Interferon type II	Th1 cells, cytotoxic T-cells, NK, macrophages
IL-1 $\alpha$	Interleukin 1 alpha	IL-1R1, IL-1R2	Pro-inflammatory	IL-1	Activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells, but is also expressed by B lymphocytes, NK cells, microglia, and epithelial cells
IL-1 $\beta$	Interleukin 1 beta	IL-1R1, IL-1R2	Pro-inflammatory	IL-1	Macrophages, monocytes, fibroblasts, and dendritic cells, but is also expressed by B lymphocytes, NK cells, microglia, and epithelial cells
IL-2	Interleukin 2	CD25, CD122, CD132	Pro-inflammatory	Common $\gamma$ chain	CD4+ and CD8+ activated T cells, DCs, NK cells, NKT cells
IL-8 (CXCL8)	Interleukin 8 (CXCL8)	CXCR1, CXCR2	Pro-inflammatory	Chemokine	Monocytes, macrophages, neutrophils, lymphocytes, endothelial cells, epithelial cells, fibroblasts, keratinocytes
IL-12 p70	Interleukin 12 p70 chain	IL-12R $\beta$ 1, IL-12R $\beta$ 2	Pro-inflammatory	IL-12	Monocytes, macrophages, neutrophils, microglia, DCs, B-cells
IL-12 p40	Interleukin 12 p40 chain	IL-12R $\beta$ 1, IL-12R $\beta$ 2	Pro-inflammatory	IL-12	Monocytes, macrophages, neutrophils, microglia, DCs, B-cells
IL-15	Interleukin 15	IL15R $\alpha$	Pro-inflammatory	Common $\gamma$ chain	Mononuclear phagocytes, especially macrophages following infection by virus
IL-17A	Interleukin 17A	IL-17RA, IL-17RC, IL-17RD	Pro-inflammatory	IL-17	Th17 cells, CD8+T cells, NK cells, NKT cells, $\gamma/\delta$ T cells, neutrophils

TNF- $\alpha$ (TNFSF2)	Tumor necrosis factor alpha	TNFR1 (CD120a) TNFR2 (CD120b)	Pro-inflammatory	TNF	Th1 cells, Macrophages (also CD4 T cells, NK cells, neutrophils, mast cells, eosinophils and neurons)
TNF- $\beta$ (TNFSF1)	Tumor necrosis factor beta (Lymphotoxin-alpha)	TNFR1 (CD120a) TNFR2 (CD120b) HVEM	Pro-inflammatory	TNF	Lymphocytes
Eotaxin (CCL11)	Eotaxin-1	CCR2, CCR3, CCR5	Chemoattraction	Chemokine	Various cells
IP-10 (CXCL10)	Interferon gamma-induced protein 10	CXCR3	Chemoattraction	Chemokine	Several cell types in response to IFN-g (monocytes, endothelial cells, fibroblasts)
MCP-1 (CCL2)	Monocyte chemoattractant protein 1	CCR2 and CCR4	Chemoattraction	Chemokine	Monocytes, macrophages, and dendritic cells
MIP-1 $\alpha$ (CCL3)	Macrophage inflammatory protein 1 $\alpha$	CCR1, CCR4, CCR5	Chemoattraction	Chemokine	Various cells (macrophages, dendritic cells, and lymphocytes)
MIP-1 $\beta$ (CCL4)	Macrophage inflammatory protein 1 $\beta$	CCR5	Chemoattraction	Chemokine	Monocytes, B cells, T cells, fibroblasts, endothelial cells, and epithelial cells
EGF	Epidermal growth factor	EGFR	Growth factor	Growth factor	Many human tissues
G-CSF	Granulocyte-colony stimulating factor	G-CSF-R (CD114)	Growth factor	Growth factor	Many human tissues
GM-CSF	Granulocyte-macrophage colony-stimulating factor	GM-CSF-R (CD116)	Growth factor	Growth factor	Macrophages, T-cells, mast cells, NK, endothelial cells and fibroblasts
IL-3	Interleukin 3	IL-3R (CD123)	Growth factor	Growth factor	Activated T cells, monocytes/macrophages and stroma cells
IL-7	Interleukin 7	IL-7R (CD127)	Growth factor	Common $\gamma$ chain	Stromal cells, keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells
VEGF	Vascular endothelial growth factor	VEGFR	Growth factor	Growth factor	Various cells

Adapted from: Dinarello CA Eur. J. Immunol. 2007;37:S34–45 and Philip M. Murphy, in Clinical Immunology (Fifth Edition), 2019:157-170 (1, 2).

## REFERENCES

1. Dinarello CA. 2007. Historical insights into cytokines. Eur J Immunol 37 Suppl 1:S34-45.
2. Murphy PM. 2019. In Rich R, Fleisher T, Shearer W, Schroeder H, Frew A, Weyand C (ed), Clinical Immunology, Fifth ed. Elsevier, Cambridge.